TABLE K.

	Theoretical.					
	Water-gas.		Steam -air Gas.			Air-gas.
	I. CO+H.	n. CC-2+2H.	Pure CO Formation. From Air heated to 500°.	Pure CO Formation. From cold Air.	Pure COo Formation from cold Air.	
Number of Column.	1.	2.	3.	4,	5.	G.
co.2	1-86 corn. 1-86 „	l'S6 cbm. 3-72 cbm.	1-86 cbni. 0-48 „ 0-60 ,,	1-86 cbm. 0-24 „ 3'04 ,,	1-86 cbrn. 2-48 cbni. 2-32 ,,	1-86 cbm. 3' 50 cbm.
Composition of gas from 1 kilo- CO gramme C " H IN	3-72 cbm. 10,750 cals.	5 '58 cbni. 9,746 cals.	2-94 cbni. 6,941 cals.	5 '14 cbm. 6,303 cals.	6'66 cbni. 6,507 cals.	5 '36 cbm. 5,693 cals.
Gas volume containing 1 kilogramme C Combustible value of the gas from 1 kilogramme 0. Combustible value of the gas from 1 cubic metre. Amount of air ..... Available heat gas 1,200°	(2,841} 11-52 cbm. 1,577 cals. 4,884 „	(1,746) 11-52 cbm. 3,111 cals. 4,884 „	(1,405) 8-23 cbni. 2,094 cals. 3,490 „	(1,226) 7-66 cbm. 2,179 cals. 3,247 „	(997) 8'57 cbm. 3,569 cals. 3,633 ,,	(1,062) 7'1 cbm. 2,268 cals. 5,693 „
. „ air 1,200° . Total available heat	6,461 cals.	7,995 cals.	5.584 cals.	5,426 cals.	7,202 cals.	5,246 cals.
+ Combustible value	10,570 „	9,746 „	6,941 „	6,303 „	6,507 „	5,693 ,,
Total energy in flame .... Less that in waste gases at 1,700°	17,031 cals.	17,741 cals.	12,525 cals.	11,729 cals.	13,709 cals.	10-939 cals.
Energy for the combustion chamber . [C0a . . Composition of thejO . waste gases	11,052 „	13,417 „	9,297 „	8,992 „	11,632 „	8,678 „
IN. I Water- vapour	5,979 cals. 1-86 cbm. 0'56 „ 9'10 „ 1-86 „	4,324 cals. 1-86 cbm. 0'56 „ 9'10 „ 3-72 „	3,228 cals. 1-86 cbm. 0'56 „ 910 „ 0-48 „	2,737 cals. 1-86 cbm. 0'56 „ 910 „ 0-24 „	2,077 cals. 1-86 cbm. 0-56 „ 9-10 „ 2-32 „	2,261 cals. 1-86 cbni. O'o6 „ 9'10 „
Total waste f^ases	13-38 cbm.	15 '24 cbm.	12'00 cbm,	11-76 cbm.	13-84 cbm.	11-52 cbm.

w
fed to
i—i o
tei
HH
CO
H
tei
o o
H
GQ GQ